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DMC-FS10
Digital Camera

- LUMIX Compact Digital Camera
- iA (Intelligent Auto) Mode with Advanced Scene Detection
- 28mm Wide-angle LUMIX DC VARIO Lens and 12.1-megapixel CCD
- 5x Optical Zoom Lens and Up to 9.8x Extra Optical Zoom
- Seamless Operation with Quick Start-up Time and Sonic Speed AF
- HD Movie Recording (1,280 x 720 pixels at 30 fps in Motion JPEG Format)
- 2.7-inch 230,000-dot High-resolution Intelligent LCD

Compact Digital Camera FS10 - 28mm Wide-angle 5x Optical Zoom LUMIX DC Lens and iA (Intelligent Auto) Mode with Advanced Scene Detection

Optics

Camera Effective Pixels	12.1 Megapixels
Sensor Size / Total Pixels / Filter	1/2.33-inch / 12.7 Total Megapixels / Primary Colour Filter
Aperture	F2.8 - 6.9 / 2-Step (F2.8 - 9 (W) / F6.9 - 20 (T))
Optical Zoom	5x
Focal Length	f=5-25mm (28-140mm in 35mm equiv.)
Extra Optical Zoom (EZ)	6.1x (4:3 / 8M), 7.8x (4:3 / 5M), 9.8x(under 3M)
Lens	LUMIX DC VARIO 6 elements in 5 groups (3 Aspherical Lenses / 5 Aspherical surfaces)
Optical Image Stabilizer	MEGA O.I.S. (Off / Auto / Mode1 / Mode2)
Digital Zoom	4x (Max. 20.0 x combined with Optical Zoom without Extra Optical Zoom) (Max. 39.2 x combined with Extra Optical Zoom)
Focusing Area	Normal: Wide 50 cm - infinity / Tele 100 cm - infinity Macro / Intelligent AUTO : Wide 5 cm - infinity / Tele 100cm - infinity
Focus Range Display	Yes
AF Assist Lamp	Yes
Focus	Normal / Macro, Zoom Macro, Quick AF (Always On)
AF Metering	Face / 9 pt/ 1pt
Shutter Speed	Still: approx. 8 - 1/1600 sec Starry Sky Mode : 15, 30, 60sec.

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Shutter Interval	1.1 sec

Recording

ISO Sensitivity	I.ISO / 80 / 100 / 200 / 400 / 800 / 1600 High Sensitivity (ISO 1600-6400)
Optical Image Stabilizer	Photo & Movie
Intelligent ISO Control	Photo
Face Detection	Photo
Intelligent Scene Selector	Photo (Portrait, Scenery, Night Portrait, Night Scenery, Sunset, Macro)
Digital Red Eye Correction (Red-Eye Removal)	Photo
iA Direct Button	Yes
File Format	Still Image: JPEG(DCF/Exif2.21) Motion picture: QuickTime Motion JPEG
Mode Switch	[Recording] / [Playback]
Mode Dial / Mode Button	Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture
Still Image Scene Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial photo, Film Grain, Photo Frame
Continuous Shooting Mode	High-speed Burst Mode: approx. 5.5 frames/sec (image priority) (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9)
Unlimited consecutive shooting	1.8 frames/sec
Flash Burst Continuous Shooting Mode	Max. 5 images (Standard mode)
Motion Picture Recording	[4:3] VGA: 640 x 480 pixels, 30fps (Motion JPEG) QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) [16:9] WVGA: 848 x 480 pixels, 30 fps (Motion JPEG) [HD Movie] 1280x720 pixels, 30fps (Motion JPEG)
Exposure	Program AE
Exposure Compensation	1/3 EV step, +/-2 EV
Backlight Compensation	Yes (only in Intelligent AUTO mode)
Light Metering	Intelligent Multiple
Aspect Ratio	4:3 / 3:2 / 16:9
Still Picture Recording	[4:3] 4000x3000(12M) / 3264x2448(8M EZ) / 2560x1920(5M EZ) / 2048X1536(3M EZ) / 640X480(0.3M EZ) [3:2] 4000 x 2672 (10.5M) [16:9] 4000 x 2248 (9M)
White Balance	Auto / Daylight / Cloudy / Shade / Halogen / White Set (Selectable at Portrait, Soft Skin, Transform, Self-Portrait, Sports, Baby, Pet, High Sensitivity, Highspeed Burst, Photo Frame)
Quick Menu	Yes
Color Mode / Color Effect	Standard, Vivid, Natural, Black & White, Sepia, Cool, Warm
Composition Guide line	Yes (1 pattern)
Auto Review	1sec, 2sec, Hold
Easy Zoom / Zoom Resume	No / No

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Macro Zoom	Yes
Orientation Detector	Yes
Scene Mode Help Screen	Yes
Self Timer	2sec / 10sec
Focus Icon Select	Yes

Playback

Playback Mode	Normal Playback, Slideshow, Category Playback, Favorites Playback
Thumbnails / Zoomed Playback	12,30-thumbnails / Max 16x
Calendar Display / Dual-Image Playback	Yes / No
Set Favorites / Rotate Image	Yes / No
Playback Motion Picture	Yes (Motion JPEG)
Slideshow Mode	All / Category / Favorites BGM Effect (Natural / Slow / Swing / Urban / OFF)
Delete Image	Single / Multi / All / All except Favorites
DPOF Print Setting / Set Protection	Yes / Yes
Resize / Trim / Aspect Conv. / Leveling	Yes / Yes / No / No
Copy / Title Edit / Text Stamp	Yes / No / Yes (only Baby, Pet, Travel)
PictBridge Support	Single / Multi / All / Favorites / DPOF

Setup

OSD language	Japanese, English, German, French, Italian, Spanish
Travel Date / World Time	Yes / Yes

Metrics

Dimensions (W x H x D)	98.4 x 55.2 x 23.4 mm / excl. protrusions: 20.7 mm(3.87 x 2.17 x 0.92 in / excl. protrusions: 0.81 in)
Weight	Approx. 145g with Battery and SD Memory Card (0.32 lb) Approx. 123g without Battery and SD Memory Card (0.27 lb)

Others

LCD Monitor	2.7" TFT Screen LCD Display (230K dots) Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode, High Angle mode
Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off 0.6 - 6.8m (Wide/ISO Auto), 1.0 - 2.7m (Tele/ISO Auto)
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
Built-in-Memory	Approx. 40MB
Microphone / Speaker	Mono / Yes
Interface	AV Output (NTSC/PAL, NTSC only for N. America), USB2.0 Full-speed, DC Input (requires optional DC Coupler)

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Power	ID-Security Li-ion Battery Pack (3.6V, Minimum: 740mAh) (Included) AC Adaptor (Input: 110-240V AC) (Optional)
Battery life (approx.)	310 pictures (CIPA Standard)*1
Included Software	PHOTOfunSTUDIO 5.0 Edition QuickTime Adobe Reader
Standard Accessories	Battery Charger, Battery Pack, Battery Case AV cable, USB Cable, AC Cable Hand Strap, CD-ROM
NOTE	• Motion pictures can be recorded continuously for up to 15 minutes in European PAL area.